

# Summary of Proposed Life Safety Project at the Vermont State House

## EXISTING CONDITIONS

**The proposed life safety project at the State House replaces much of the existing fire alarm wiring and components and upgrades them to meet current national fire protection association standards.**

- BGS committed to doing this work about four (4) years ago when the VT Fire Safety Division allowed a partial upgrade of the main fire alarm control panels with the assurance that this work would be done.
- The present State House fire alarm system is not code compliant.
- The present system components are not compatible and have been modified to work. As a result, we lack confidence in the reliability of the existing system.
- Some of the 2<sup>nd</sup> floor in the 1850's portion of the State House lacks a fire suppression system. This reinforces the importance of the proposed life safety project.

## PROPOSED LIFE SAFETY PROJECT

**The proposed fire alarm system replaces the existing system and will have both audible and visual devices and a building-wide notification system communication system.**

- All existing wiring is to be replaced and shall be installed in conduit.
- New devices will include:
  - Smoke sensors
  - Manual alarm stations
  - Wall and ceiling mounted strobes
  - Wall and ceiling mounted speaker strobes
  - Ceiling mounted speakers
  - Notification communication system - (capability being used for intercom or computer generated communications)
  - Door hold open devices (basement, tunnel and mechanical room areas)
- The resulting system will result in a fully compatible addressable code compliant and historically sensitive fire alarm system.

## **PROPOSED CABLING FOR CAMERAS**

**Separate and distinct from the life safety project described above is the proposed camera cabling. The conduit and wiring required for the cameras is independent of the fire detection and alarm system conduit and wiring.**

- No Cameras are to be installed as part of the project; only conduit and wiring.
  
- Wiring for the “not to be installed” cameras can be installed at a cost savings estimated to be \$10,000 - \$20,000. Having the conduit and wiring installed as part of the life safety project will result in the lowest overall cost.
  
- Cat 6 wiring is specified for the proposed camera system and should be compatible for just about any type of camera that may be specified in the future. The proposed locations for the cable coils for future camera hook-ups are established.